

Publications

1. W. H. Brito, M. C. O. Aguiar, K. Haule, and G. Kotliar, *Metal-Insulator transition in VO₂: a DFT+DMFT perspective*, Phys. Rev. Lett. **117**, 056402 (2016).
2. W. H. Brito, J. Silva-Araújo, and H. Chacham, *Magnetic Properties of C-N planar structures: d⁰ ferromagnetism and half-metallicity*, Phys. Chem. Chem. Phys. **17**, 31995 (2015).
3. W. H. Brito, J. Silva-Araújo, and H. Chacham, *g-C₃N₄ and Others: Predicting New Nanoporous Carbon Nitride Planar Structures with Distinct Electronic Properties*, J. Phys. Chem. C **119**, 19743 (2015).
4. W. H. Brito, H. Chacham, R. Kagimura, R. H. Miwa, *Electronic confinement in graphene ruled by N doped extended defects*, Nanotechnology **25**, 245706 (2014).
5. W. H. Brito, R. Kagimura, R. H. Miwa, *B and N doping in graphene ruled by grain boundary defects*, Phys. Rev. B **85**, 035404 (2012).
6. W. H. Brito, R. Kagimura, R. H. Miwa, *Hydrogenated grain boundaries in graphene*, Appl. Phys. Lett. **98**, 213107 (2011).
7. W. H. Brito and R. H. Miwa, *Adsorption and diffusion of gold adatoms on graphene nanoribbons: an ab initio study*, Phys. Rev. B **82**, 045417 (2010).
8. W. H. Brito, R. A. Silva, and R. H. Miwa, *Gold adatoms and clusters on PPV: an ab initio investigation*, J. Chem. Phys. **133**, 204703 (2010).